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ECONROAD
GROUP OF COMPANIES



ECONROAD SOIL STABILIZATION SOLUTIONS

TerraFirma
Soil stabilizer

ABOUT ECONROAD SOIL STABILIZER



Econroad is a Singapore based company that supplies our tested and proven American formulated dry polymer cementitious soil stabilizer - TerraFirma. We have plenty of experience working on projects across South East Asia, and to ensure that our stabilizer is applied correctly, we also provide our client with free supervisory service during the construction of new roads, new jetties, new staging area, new smelting plants and/ or rehabilitation of old road.

TerraFirma

- Strengthens in-situ soil to allow it to sustain up to 80 tons loading.
- Creates water resistant base layer which allows road to be used during rainy season.
- Uses in-situ soil, which reduces construction time and cost up to 40%.
- Reduces road maintenance costs by up to 50% as roads' base layer are more stable.



We customize each batch to meet the soil conditions for each and every customer project, and we also provide warranty against defects. Quite simply with Econroad, you're on better ground.

TYPICAL SOIL STABILIZATION PROCESS



Spreading of TF - 1 jumbo bag



Spreading of TF - 40 kg bag



Mixing with in-situ soil



Moisture Control



Wet Mixing



Compaction

PROJECTS

MINING PROJECT IN ASIA

Original Road Condition :

- In-situ soil condition: high plasticity clayey soil
- Existing earth soil road did not have ability to withstand 10 tons truck
- Existing earth road was unpassable during rainy days

With Econroad solution :

- Stabilized 500mm of in-situ material as sub-base and base layer and using stone quarry with fines as surface layer
- Road is now able to withstand loading up to 60 tons
- Road is drivable during rainy season



In-situ condition



Road condition after Econroad solution

PLANTATION ROAD IN ASIA

Original Soil Condition :

- In-situ soil condition: clayey soil
- Existing earth road was unpassable during rainy days

With Econroad Solution :

- Stabilized 400mm of in-situ material as base layer
- Use stone quarry with fines as surface layer
- Road is able to withstand loading up to 30 tons
- Road is passable during rainy days



In-situ condition



Road condition after Econroad solution

RURAL ROAD IN ASIA

Original Soil Condition :

- In-situ soil condition: clayey soil
- Existing earth road was unpassable during rainy days

With Econroad Solution :

- Stabilized 200mm of in-situ material as base layer
- 1 chip seal layer as surface layer
- Road is able to withstand loading up to 10 tons
- Road is passable during rainy days

Visit our website: www.econroad.net for more information on project we have successfully completed



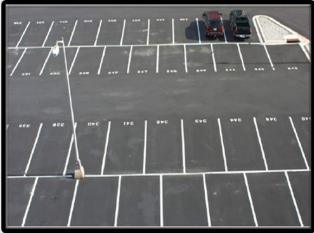
In-situ condition



Road condition after Econroad Solution

TERRAFIRMA APPLICATION

TerraFirma powdered polymer resin has in-built versatility and easy customization making it ideal for a wide number of application. Here are just a few :



Carpark



Helipad



Airplane Runway



Mining Roads



Road Maintenance



Land Reclamation

THE ECONROAD WARRANTY

Every batch of TerraFirma is custom made for the soil condition of each project and is delivered fresh to the site. The product is guaranteed to be effective for one year from the date of manufacture. In the event of ailure to stabilize on the basis of an independent lan analysis, Econroad will replace the product free of charge. Warrany subject to terms and conditions stated in our letter of offer for each project.



Should you need more clarifction and information, we have local representative in these following countries

- China
- India
- Indonesia
- Malayisa
- Philippines
- Thailand
- Myanmar
- Laos
- Cambodia

Email us at info@econroad.net or call us to get their contact



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Sales Representative to attach namecard here